

In the case of VHF band restructuring with such restructure being similar to the UHF structure and channel numbering schedule depicted in Appendix B for the UHF spectrum, M/A-COM recommends §90.20 be changed for the Public Safety pool as follows:

- Existing §90.20(c)(3) be renumbered to §90.20 (c)(4) and reflect the revised VHF channel centers and numbers as determined by the Commission during the restructuring.
- A new §90.20 (c)(3) be added to read:

“(c)(3) Combining channels (150-174 MHz and 450-512 MHz). Adjacent 12.5 kHz channels may be used in combination in order to accommodate requirements for larger bandwidth emissions, in accordance with this paragraph. Designated interoperability channels may not be combined with non-designated interoperability channels. Any 25 kHz channel must comply with all limitations listed in §90.20(c)(4) as applicable to either component 12.5 kHz channel.

(i) Beginning January 1, 2018 subject to compliance with the spectrum usage efficiency requirements set forth in §90.203(j)(3), two contiguous 12.5 kHz channels may be used in combination as a 25 kHz channel. The lower (in frequency) channel for two 12.5 kHz channel combinations must be an even numbered channel which number is equal to $2+(6xn)$, where n = any integer between 0 and _____, inclusive (e.g., channel number 2, 8, 14 * * *) Channel combinations are designated by the lowest and highest channel numbers separated by a hyphen, e.g., “2-5, 8-11, ***” for the two 12.5 kHz channel combination.”

Additionally, in the case where the VHF and UHF structures are the same, i.e. channel centers are spaced 6.25/12.5 kHz apart, M/A-COM recommends §90.35 be changed for the Industrial/Business Radio pool as follows:

- Existing §90.35(b)(3) be renumbered to §90.35(b)(4) and reflect the revised VHF center frequencies and numbers as determined by the Commission during the restructuring.
- A new §90.35(b)(3) be added to read:

“(c)(3) Combining channels (150-174 MHz and 450-512 MHz). Adjacent 12.5 kHz channels may be used in combination in order to accommodate requirements for larger bandwidth emissions, in accordance with this paragraph. Any 25 kHz channel must comply with all limitations listed in §90.35(b)(4) as applicable to either component 12.5 kHz channel.

(i) Beginning January 1, 2013 subject to compliance with the spectrum usage efficiency requirements set forth in §90.203(j)(3), two contiguous 12.5 kHz channels may be used in combination as a 25 kHz channel. The lower (in frequency) channel for two 12.5 kHz channel combinations must be an even numbered channel which number is equal to $2+(6xn)$, where n = any integer between 0 and _____, inclusive (e.g., channel number 2, 8, 14 * * *) Channel combinations are designated by the lowest and highest channel numbers separated by a hyphen, e.g., “2-5, 8-11, ***” for the two 12.5 kHz channel combination.”

Again, the dates specified in both the proposed §90.20 (c)(3) and the proposed §90.35 (b)(3) noted immediately above are subject to change. The dates must agree with whatever dates the Commission finally selects for mandated transition pursuant to the recommendations received from the user community petitions for reconsideration.

The foregoing recommendations allow the Commission to retain 25 kHz channel bandwidths while at the same time facilitating user transition to ALL spectrally efficient technologies. Retention of 25 kHz channels, particularly when combined with an overall restructuring of the VHF portions of the Public Safety and the Industrial/Business Radio pools is in the public interest. However, retention of 25 kHz channels, even if there is no overall restructuring of the VHF portions of the Public Safety and the Industrial/Business Radio pools is still in the public interest. Retention of 25 kHz channel bandwidths, as suggested herein, allows for the realization of increased spectrum efficiency through the deployment of 12.5 kHz technologies, and at the same time facilitating realization of further spectrum efficiency gains through the utilization of 6.25 kHz technologies without requiring any additional frequency band restructuring.

CONCLUSION

M/A-COM applauds the Commission for its actions in the *Second Report and Order* to implement the actual utilization of spectrum efficient technologies in the 150-174 MHz and 450-512 MHz frequency bands. The Commission is correct in its conclusion that the rules adopted in the *Refarming* proceeding have not provided sufficient motivation to the utilization of spectrum efficient technologies. There is little doubt something needed to be done.

While the Commission is to be congratulated for its efforts, as noted herein, M/A-COM believes there are ways to enhance the actions taken by the Commission. These enhancements, which are stated in great particularity in this petition, further facilitate the likelihood of efficient

use of the relevant spectrum. Not only do these improvements facilitate the easy integration of 12.5 kHz technologies into the relevant spectrum, they also easily facilitate the implementation of 6.25 kHz technologies at some future date.

Therefore, M/A-COM respectfully requests the Commission to reconsider the rules adopted pursuant to the *Second Report and Order* as specified herein.

Respectfully submitted,



Robert J. Speidel, Esq.
Manager, Regulatory Policy
M/A-COM, Inc.
221 Jefferson Ridge Parkway
P.O. Box 2000
Lynchburg, VA 24501
(434) 455-9465

APPENDIX A

Proposed §90.20(c)(5) VHF Channel listing	A2 through A12
Proposed §90.35(b)(5) VHF Channel listing	A15 through A27

Freq. or Band	Channel Number	Class of Stations	Limitations	Coordinator
150 to 170		Base or Mobile	26	
150.775	1	Mobile		PM
150.7825	2	do		PM
150.79	3	do		PM
150.7975	4	do		PM
150.805		do		PM
150.995	5	Base or Mobile	28	PH
151.0025	6	do	28	PH
151.01	7	do	28	PH
151.0175	8	do	28	PH
151.025	9	do	28	PH
151.0325	10	do	28	PH
151.04	11	do	28	PH
151.0475	12	do	28	PH
151.055	13	do	28	PH
151.0625	14	do	28	PH
151.07	15	do	28	PH
151.0775	16	do	28	PH
151.085	17	do	28	PH
151.0925	18	do	28	PH
151.1	19	do	28	PH
151.1075	20	do	28	PH
151.115	21	do	28	PH
151.1225	22	do	28	PH
151.13	23	do	28, 81	PH
151.1375	24	do	28, 80	PH
151.145	25	do	28, 81	PO
151.1525	26	do	28	PO
151.16	27	do	28	PO
151.1675	28	do	28	PO
151.175	29	do	28	PO
151.1825	30	do	28	PO
151.19	31	do	28	PO
151.1975	32	do	28	PO
151.205	33	do	28	PO
151.2125	34	do	28	PO
151.22	35	do	28	PO
151.2275	36	do	28	PO
151.235	37	do	28	PO
151.2425	38	do	28	PO
151.25	39	do	28	PO
151.2575	40	do	28	PO
151.265	41	do	28	PO
151.2725	42	do	28	PO

Proposed §90.20(c)(5) VHF channel listing {see petition page 18}

Freq. or Band	Channel Number	Class of Stations	Limitations	Coordinator
151.28	43	do	28	PO
151.2875	44	do	28	PO
151.295	45	do	28	PO
151.3025	46	do	28	PO
151.31	47	do	28	PO
151.3175	48	do	28	PO
151.325	49	do	28	PO
151.3325	50	do	28	PO
151.34	51	do	28	PO
151.3475	52	do	28	PO
151.355	53	do	28	PO
151.3625	54	do	28	PO
151.37	55	do	28	PO
151.3775	56	do	28	PO
151.385	57	do	28	PO
151.3925	58	do	28	PO
151.4	59	do	28	PO
151.4075	60	do	28	PO
151.415	61	do	28	PO
151.4225	62	do	28	PO
151.43	63	do	28	PO
151.4375	64	do	28	PO
151.445	65	do	28	PO
151.4525	66	do	28	PO
151.46	67	do	28	PO
151.4675	68	do	28	PO
151.475	69	do	28	PO
151.4825	70	do	28	PO
151.49	71	do	7, 28	PO
151.4975	72	do	7, 28	PO
152.0075		Base	13,19,30	PS
153.74	73	Mobile		PX
153.7475	74	do		PX
153.755	75	do		PX
153.7625	76	do		PX
153.77	77	do		PF
153.7775	78	do		PF
153.785	79	do		PX
153.7925	80	do		PX
153.8	81	do		PX
153.8075	82	do		PX
153.815	83	do		PX
153.8225	84	do		PX
153.83	85	do	31	PF

Proposed §90.20(c)(5) VHF channel listing (continued) {see petition page 18}

Freq. or Band	Channel Number	Class of Stations	Limitations	Coordinator
153.8375	86	do	31	PF
153.845	87	do		PX
153.8525	88	do		PX
153.86	89	do		PX
153.8675	90	do		PX
153.875	91	do		PX
153.8825	92	do		PX
153.89	93	do		PF
153.8975	94	do		PF
153.905	95	do		PX
153.9125	96	do		PX
153.92	97	do		PX
153.9275	98	do		PX
153.935	99	do		PX
153.9425	100	do		PX
153.95	101	do		PF
153.9575	102	do		PF
153.965	103	do		PX
153.9725	104	do		PX
153.98	105	do		PX
153.9875	106	do		PX
153.995	107	do		PX
154.0025	108	do		PX
154.01	109	do		PF
154.0175	110	do		PF
154.025	111	Base or mobile		PX
154.0325	112	do		PX
154.04	113	do	28	PX
154.0475	114	do	28	PX
154.055	115	do	28	PX
154.0625	116	do	28	PX
154.07	117	Mobile	28	PF
154.0775	118	do	28	PF
154.085	119	Base or mobile	28	PX
154.0925	120	do	28	PX
154.1	121	do	28	PX
154.1075	122	do	28	PX
154.115	123	do	28	PX
154.1225	124	do	28	PX
154.13	125	do	28	PF
154.1375	126	do	28	PF
154.145	127	do	28	PF
154.1525	128	do	28	PF
154.16	129	do	28	PF

Proposed §90.20(c)(5) VHF channel listing (continued) {see petition page 18}

Freq. or Band	Channel Number	Class of Stations	Limitations	Coordinator
154.1675	130	do	28	PF
154.175	131	do	28	PF
154.1825	132	do	28	PF
154.19	133	do	28	PF
154.1975	134	do	28	PF
154.205	135	do	28	PF
154.2125	136	do	28	PF
154.22	137	do	28	PF
154.2275	138	do	28	PF
154.235	139	do	28	PF
154.2425	140	do	28	PF
154.25	141	do	28	PF
154.2575	142	do	28	PF
154.265	143	do	19, 28	PF
154.2725	144	do	19, 28	PF
154.28	145	do	19, 28	PF
154.2875	146	do	19, 28	PF
154.295	147	do	19, 28	PF
154.3025	148	do	19, 28	PF
154.31	149	do	28	PF
154.3175	150	do	28	PF
154.325	151	do	28	PF
154.3325	152	do	28	PF
154.34	153	do	28	PF
154.3475	154	do	28	PF
154.355	155	do	28	PF
154.3625	156	do	28	PF
154.37	157	do	28	PF
154.3775	158	do	28	PF
154.385	159	do	28	PF
154.3925	160	do	28	PF
154.4	161	do	28	PF
154.4075	162	do	28	PF
154.415	163	do	28	PF
154.4225	164	do	28	PF
154.43	165	do	28	PF
154.4375	166	do	28	PF
154.445	167	do	28, 81	PF
154.4525	168	do	28, 80	PF
154.45625	169	Fixed or mobile	32, 33, 34, 35	PX
154.46375	170	do	33, 34, 35, 36, 37	PX
154.47125	171	do	33, 34, 35, 36	PX
154.47875	172	do	33, 34, 35, 37	PX
154.65	173	Mobile		PP

Proposed §90.20(c)(5) VHF channel listing (continued) {see petition page 18}

Freq. or Band	Channel Number	Class of Stations	Limitations	Coordinator
154.6575	174	do		PP
154.665	175	Base or mobile	16	PP
154.6725	176	do	16	PP
154.68	177	do	16	PP
154.6875	178	do	16	PP
154.695	179	do	16	PP
154.7025	180	do	16	PP
154.71	181	Mobile		PP
154.7175	182	do		PP
154.725	183	Base or mobile		PP
154.7325	184	do		PP
154.74	185	do		PP
154.7475	186	do		PP
154.755	187	do		PP
154.7625	188	do		PP
154.77	189	Mobile		PP
154.7775	190	do		PP
154.785	191	Base or mobile		PP
154.7925	192	do		PP
154.8	193	do		PP
154.8075	194	do		PP
154.815	195	do		PP
154.8225	196	do		PP
154.83	197	Mobile		PP
154.8375	198	do		PP
154.845	199	Base or mobile		PP
154.8525	200	do		PP
154.86	201	do		PP
154.8675	202	do		PP
154.875	203	do		PP
154.8825	204	do		PP
154.89	205	Mobile		PP
154.8975	206	do		PP
154.905	207	Base or mobile	16	PP
154.9125	208	do	16	PP
154.92	209	do	16	PP
154.9275	210	do	16	PP
154.935	211	do	16	PP
154.9425	212	do	16	PP
154.95	213	Mobile		PP
154.9575	214	do		PP
154.965	215	Base or mobile		PX
154.9725	216	do		PX
154.98	217	do		PX

Proposed §90.20(c)(5) VHF channel listing (continued) {see petition page 18}

Freq. or Band	Channel Number	Class of Stations	Limitations	Coordinator
154.9875	218	do		PX
154.995	219	do		PX
155.0025	220	do		PX
155.01	221	do		PP
155.0175	222	do		PP
155.025	223	do		PX
155.0325	224	do		PX
155.04	225	do		PX
155.0475	226	do		PX
155.055	227	do		PX
155.0625	228	do		PX
155.07	229	do		PP
155.0775	230	do		PP
155.085	231	do		PX
155.0925	232	do		PX
155.1	233	do		PX
155.1075	234	do		PX
155.1115	235	do		PX
155.1125	236	do		PX
155.113	237	do		PP
155.11375	238	do		PP
155.1145	239	do		PX
155.11525	240	do		PX
155.116	241	do	10	PS
155.11675	242	do	10	PS
155.1175	243	do	10	PS
155.11825	244	do	10	PS
155.119	245	do		PP
155.11975	246	do		PP
155.1205	247	do	10	PS
155.12125	248	do	10	PS
155.122	249	do	10	PS
155.12275	250	do	10	PS
155.1235	251	do	10	PS
155.12425	252	do	10	PS
155.125	253	do		PP
155.12575	254	do		PP
155.1265	255	do	10	PS
155.12725	256	do	10	PS
155.128	257	do	10	PS
155.12875	258	do	10	PS
155.1295	259	do	10	PS
155.13025	260	do	10	PS
155.131	261	do		PP

Proposed §90.20(c)(5) VHF channel listing (continued) {see petition page 18}

Freq. or Band	Channel Number	Class of Stations	Limitations	Coordinator
155.3175	262	do		PP
155.325	263	do	38, 39	PM
155.3325	264	do	38, 39	PM
155.34	265	do	39, 40	PM
155.3475	266	do	39, 40	PM
155.355	267	do	38, 39	PM
155.3625	268	do	38, 39	PM
155.37	269	do		PP
155.3775	270	do		PP
155.385	271	do	38, 39	PM
155.3925	272	do	38, 39	PM
155.4	273	do	38, 39	PM
155.4075	274	do	38, 39	PM
155.415	275	do		PP
155.4225	276	do		PP
155.43	277	do		PP
155.4375	278	do		PP
155.445	279	do	16	PP
155.4525	280	do	16	PP
155.46	281	do	16	PP
155.4675	282	do	16	PP
155.475	283	do	41	PP
155.4825	284	do	41	PP
155.49	285	do		PP
155.4975	286	do		PP
155.505	287	do	16	PP
155.5125	288	do	16	PP
155.52	289	do		PP
155.5275	290	do		PP
155.535	291	do		PP
155.5425	292	do		PP
155.55	293	do		PP
155.5575	294	do		PP
155.565	295	do		PP
155.5725	296	do		PP
155.58	297	do		PP
155.5875	298	do		PP
155.595	299	do		PP
155.6025	300	do		PP
155.61	301	do		PP
155.6175	302	do		PP
155.625	303	do		PP
155.6325	304	do		PP
155.64	305	do		PP

Proposed §90.20(c)(5) VHF channel listing (continued) {see petition page 18}

Freq. or Band	Channel Number	Class of Stations	Limitations	Coordinator
155.6475	306	do		PP
155.655	307	do		PP
155.6625	308	do		PP
155.67	309	do		PP
155.6775	310	do		PP
155.685	311	do		PP
155.6925	312	do		PP
155.7	313	do		PP
155.7075	314	do		PP
155.715	315	do		PX
155.7225	316	do		PX
155.73	317	do		PP
155.7375	318	do		PP
155.745	319	do	81	PX
155.7525	320	do	80, 83	PX
155.76	321	do	81	PX
155.7675	322	do		PX
155.775	323	do		PX
155.7825	324	do		PX
155.79	325	do		PP
155.7975	326	do		PP
155.805	327	do		PX
155.8125	328	do		PX
155.82	329	do		PX
155.8275	330	do		PX
155.835	331	do		PX
155.8425	332	do		PX
155.85	333	Mobile		PP
155.8575	334	do		PP
155.865	335	Base or mobile		PX
155.8725	336	do		PX
155.88	337	do		PX
155.8875	338	do		PX
155.895	339	do		PX
155.9025	340	do		PX
155.91	341	Mobile		PP
155.9175	342	do		PP
155.925	343	Base or mobile		PX
155.9325	344	do		PX
155.94	345	do		PX
155.9475	346	do		PX
155.955	347	do		PX
155.9625	348	do		PX
155.97	349	Mobile		PP

Proposed §90.20(c)(5) VHF channel listing (continued) {see petition page 18}

Freq. or Band	Channel Number	Class of Stations	Limitations	Coordinator
155.9775	350	do		PP
155.985	351	do		PX
155.9925	352	do		PX
156	353	do		PX
156.0075	354	do		PX
156.015	355	do		PX
156.0225	356	do		PX
156.03	357	do		PP
156.0375	358	do		PP
156.045	359	do	42	PH
156.0525	360	do	42	PH
156.06	361	do	42	PH
156.0675	362	do	42	PH
156.075	363	do		PH
156.0825	364	do		PH
156.09	365	do		PP
156.0975	366	do		PP
156.105	367	Base or mobile		PH
156.1125	368	do		PH
156.12	369	do		PH
156.1275	370	do		PH
156.135	371	do		PH
156.1425	372	do		PH
156.15	373	Mobile		PP
156.1575	374	do		PP
156.165	375	Base or mobile	42	PH
156.1725	376	do	42	PH
156.18	377	do	42	PH
156.1875	378	do	42	PH
156.195	379	do		PH
156.2025	380	do		PH
156.21	381	do		PP
156.2175	382	do		PP
156.225	383	do		PH
156.2325	384	do		PH
156.24	do		79	PH
157.45	do		13, 45, 30	PS
158.7225	385	do	44	PP
158.73	386	do	81	PP
158.7375	do		80	PP
158.745	387	Base or mobile	81	PX
158.7525	388	do		PX
158.76	389	do		PX
158.7675	390	do		PX

Proposed §90.20(c)(5) VHF channel listing (continued) {see petition page 18}

Freq. or Band	Channel Number	Class of Stations	Limitations	Coordinator
158.775	391	do		PX
158.7825	392	do		PX
158.79	393	Base or mobile		PP
158.7975	394	do		PP
158.805	395	Base and mobile		PX
158.8125	396	do		PX
158.82	397	do		PX
158.8275	398	do		PX
158.835	399	do		PX
158.8425	400	do		PX
158.85	401	Base or mobile		PP
158.8575	402	do		PP
158.865	403	Mobile		PX
158.8725	404	do		PX
158.88	405	do		PX
158.8875	406	do		PX
158.895	407	do		PX
158.9025	408	do		PX
158.91	409	do		PP
158.9175	410	do		PP
158.925	411	do		PX
158.9325	412	do		PX
158.94	413	do		PX
158.9475	414	do		PX
158.955	415	do		PX
158.9625	416	do		PX
158.97	417	do		PP
158.9775	418	do		PP
158.985	419	do		PH
158.9925	420	do	43	PH
159	421	do		PH
159.0075	422	do	43	PH
159.015	423	do		PH
159.0225	424	do	43	PH
159.03	425	do		PP
159.0375	426	do		PP
159.045	427	do		PH
159.0525	428	do	43	PH
159.06	429	do		PH
159.0675	430	do	43	PH
159.075	431	do		PH
159.0825	432	do	43	PH
159.09	433	Base or mobile		PP
159.0975	434	do		PP

Proposed §90.20(c)(5) VHF channel listing (continued) {see petition page 18}

Freq. or Band	Channel Number	Class of Stations	Limitations	Coordinator
159.105	435	do		PH
159.1125	436	do	43	PH
159.12	437	do		PH
159.1275	438	do	43	PH
159.135	439	do		PH
159.1425	440	do	43	PH
159.15	441	do		PP
159.1575	442	do		PP
159.165	443	do		PH
159.1725	444	do	42	PH
159.18	445	do		PH
159.1875	446	do		PH
159.195	447	do		PH
159.2025	448	do		PH
159.21	449	do		PP
159.2175	450	do		PP
159.225	451	do		PO
159.2325	452	do		PO
159.24	453	do	46	PO
159.2475	454	do	46	PO
159.255	455	do	46	PO
159.2625	456	do	46	PO
159.27	457	do	46	PO
159.2775	458	do	46	PO
159.285	459	do	46	PO
159.2925	460	do	46	PO
159.3	461	do	46	PO
159.3075	462	do	46	PO
159.315	463	do	46	PO
159.3225	464	do	46	PO
159.33	465	do	46	PO
159.3375	466	do	46	PO
159.345	467	do	46	PO
159.3525	468	do	46	PO
159.36	469	do	46	PO
159.3675	470	do	46	PO
159.375	471	do	46	PO
159.3825	472	do	46	PO
159.39	473	do	46	PO
159.3975	474	do	46	PO
159.405	475	do	46	PO
159.4125	476	do	46	PO
159.42	477	do	46	PO
159.4275	478	do	46	PO

Proposed §90.20(c)(5) VHF channel listing (continued) {see petition page 18}

Freq. or Band	Channel Number	Class of Stations	Limitations	Coordinator
159.435	479	do	46	PO
159.4425	480	do	46	PO
159.45	481	do		PO
159.4575	482	do		PO
159.465	483	do	81	PO
159.4725	484	do	80	PO
163.25		do	13, 30	PS
166.25		do	47	PF
169 to 172		Mobile	48	
170.15		Base or mobile	47	PF
170.425		do	9, 49, 50	PO
170.475		do	9, 49, 51	PO
170.575		do	9, 49, 50	PO
171.425		do	9, 49, 51	PO
171.475		do	9, 50, 52	PO
171.575		do	9, 49, 51	PO
172.225		do	9, 49, 50	PO
172.275		do	9, 51, 52	PO
172.375		do	9, 49, 50	PO
173.075		do	53	PP
173.20375		Fixed or mobile	33, 34, 35, 36	PX
173.21		do	34, 35, 36, 54	PX
173.2375		do	32, 33, 34, 35	PX
173.2625		do	32, 33, 34, 35	PX
173.2875		do	32, 33, 34, 35	PX
173.3125		do	32, 33, 34, 35	PX
173.3375		do	32, 33, 34, 35	PX
173.3625		do	32, 33, 34, 35	PX
173.39		do	34, 35, 36, 54	PX
173.39625		do	33, 34, 35, 36	PX

Proposed §90.20(c)(5) VHF channel listing (continued) {see petition page 18}

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Freq. or Band	Channel Number	Class of Stations	Limitations	Coordinator
150 to 170		Base or mobile	27	
150.815		do		LA
150.83		do	28, 29	LA
150.845	1	do		LA
150.8525	2	do		LA
150.86	3	do		LA
150.8675	4	do		LA
150.875	5	do		LA
150.8825	6	do		LA
150.89	7	do		LA
150.8975	8	do		LA
150.905	9	do		LA
150.92	10	do	28, 29	LA
150.935	11	do		LA
150.9425	12	do		LA
150.95	13	do		LA
150.9575	14	do		LA
150.965	15	do		LA
150.9725	16	do		LA
150.98	17	do	8	IP
150.9875	18	do	8	IP
150.995	19	do	31	
151.0025	20	do	31	
151.01	21	do	31	
151.0175	22	do	31	
151.025	23	do	31	
151.0325	24	do	31	
151.04	25	do	31	
151.0475	26	do	31	
151.055		do	31	
151.07		Base	28, 29, 31	
151.085	27	Base or mobile	31	
151.0925	28	do	31	
151.1	29	do	31	
151.1075	30	do	31	
151.115	31	do	31	
151.1225	32	do	31	
151.13	33	do	31	
151.1375	34	do	31	
151.145	35	do	31	
151.1525	36	do	31	
151.16	37	do	31	
151.1675	38	do	31	
151.175		do	31	
151.19		Base	28, 29, 31	
151.205		Base or mobile	31	
151.2125	39	do	31	
151.22	40	do	31	
151.2275	41	do	31	
151.235	42	do	31	
151.2425	43	do	31	
151.25	44	do	31	
151.2575	45	do	31	
151.265	46	do	31	
151.2725	47	do	31	

Proposed §90.35(b)(5) VHF channel listing {see petition page 18}

Freq. or Band	Channel Number	Class of Stations	Limitations	Coordinator
151.265	46	do	31	
151.2725	47	do	31	
151.28	48	do	31	
151.2875	49	do	31	
151.295	50	do	31	
151.31		Base	28, 29, 31	
151.325	51	Base or mobile	31	
151.3325	52	do	31	
151.34	53	do	31	
151.3475	54	do	31	
151.355	55	do	31	
151.3625	56	do	31	
151.37	57	do	31	
151.3775	58	do	31	
151.385	59	do	31	
151.3925	60	do	31	
151.4	61	do	31	
151.4075	62	do	31	
151.415	63	do	31	
151.4225	64	do	31	
151.43	65	do	31	
151.4375	66	do	31	
151.445	67	do	31	
151.4525	68	do	31	
151.46	69	do	31	
151.4675	70	do	31	
151.475	71	do	31	
151.4825	72	do	31	
151.49	73	do	13, 32	
151.4975	74	do	32	
151.505	75	do	17	
151.5125	76	do	17	
151.52	77	do		
151.5275	78	do		
151.535	79	do		
151.5425	80	do		
151.55	81	do		
151.5575	82	do		
151.565	83	do		
151.5725	84	do		
151.58	85	do		
151.5875	86	do		
151.595	87	do		
151.6025	88	do		
151.625		do	10	
151.64		do	10, 33	
151.6475	89	do		
151.655	90	do		
151.6625	91	do		
151.67	92	do		
151.6775	93	do		
151.685	94	do		
151.7		do	10, 34	

Proposed §90.35(b)(5) VHF channel listing (continued){see petition page 18}

Freq. or Band	Channel Number	Class of Stations	Limitations	Coordinator
151.715	95	do		
151.7225	96	do		
151.73	97	do		
151.7375	98	do		
151.745		do		
151.76		do	10, 34	
151.775		do		
151.7825	99	do		
151.79	10	do		
151.7975	101	do		
151.805	102	do		
151.82		mobile		
151.835		Base or mobile	12, 14, 35	
151.8425	103	do		
151.85	104	do		
151.8575	105	do		
151.865	106	do		
151.88		mobile	12, 14, 35	
151.895		Base or mobile		
151.9025	107	do		
151.91	108	do		
151.9175	109	do		
151.925	110	do		
151.94		mobile		
151.955		Base or Mobile	12, 14, 35	
151.9625	111	do		
151.97	112	do		
151.9775	113	do		
151.985	114	do		
152.2625		do	33	
152.27	115	do	6	
152.2775	116	do	6	
152.285	117	do	6	
152.2925	118	do	6	
152.3	119	do	6	
152.3075	120	do	6	
152.315	121	do	6	
152.3225	122	do	6	
152.33	123	do	6	
152.3375	124	do	6	
152.345	125	do	6	
152.3525	126	do	6	
152.36	127	do	6	
152.3675	128	do	6	
152.375	129	do	6	
152.3825	130	do	6	
152.39	131	do	6	
152.3975	132	do	6	
152.405	133	do	6	
152.4125	134	do	6	
152.42	135	do	6	
152.4275	136	do	6	
152.435	137	do	6	
152.4425	138	do	6	
152.45	139	do	6	
152.4575	140	do	6	

Proposed §90.35(b)(5) VHF channel listing (continued){see petition page 18}

Freq. or Band	Channel Number	Class of Stations	Limitations	Coordinator
152.465		do	79	
152.48		do	29, 36, 37, 38	
152.8625		do	33	
152.87	141	do		
152.8775	142	do		
152.885	143	do		
152.8925	144	do		
152.9	145	do		
152.9075	146	do		
152.915	147	do		
152.9225	148	do		
152.93	149	do		
152.9375	150	do		
152.945	151	do		
152.9525	152	do		
152.96	153	do		
152.9675	154	do		
152.975	155	do		
152.9825	156	do		
152.99	157	do		
152.9975	158	do		
153.005	159	do		
153.0125	160	do		
153.02	161	do		
153.0275	162	do		
153.035	163	do		IP
153.0425	164	do		IP
153.05	165	do	4, 7	IP
153.0575	166	do	4, 7	IP
153.065	167	do		IP
153.0725	168	do		IP
153.08	169	do	4, 7	IP
153.0875	170	do	4, 7	IP
153.095	171	do		IP
153.1025	172	do	80	IP
153.11	173	do	4, 7	IP
153.1175	174	do	4, 7	IP
153.125	175	do		IP
153.1325	176	do		IP
153.14	177	do	4, 7	IP
153.1475	178	do	4, 7	IP
153.155	179	do		IP
153.1625	180	do		IP
153.17	181	do	4, 7	IP
153.1775	182	do	4, 7	IP
153.185	183	do		IP
153.1925	184	do		IP
153.2	185	do	4, 7	IP
153.2075	186	do	4, 7	IP
153.215	187	do		IP
153.2225	188	do		IP
153.23	189	do	4, 7	IP
153.2375	190	do	4, 7	IP

Proposed §90.35(b)(5) VHF channel listing (continued){see petition page 18}

Freq. or Band	Channel Number	Class of Stations	Limitations	Coordinator
153.245	191	do		IP
153.2525	192	do		IP
153.26	193	do	4, 7	IP
153.2675	194	do	4, 7	IP
153.275	195	do		IP
153.2825	196	do		IP
153.29	197	do	4, 7	IP
153.2975	198	do	4, 7	IP
153.305	199	do		IP
153.3125	200	do		IP
153.32	201	do	4, 7	IP
153.3275	202	do	4, 7	IP
153.335	203	do		IP
153.3425	204	do		IP
153.35	205	do	4, 7	IP
153.3575	206	do	4, 7	IP
153.365	207	do		IP
153.3725	208	do		IP
153.38	209	do		IP
153.3875	210	do		IP
153.395	211	do		IP
153.4025	212	do		IP
153.41	213	do		IW
153.4175	214	do		IW
153.425	215	do	80	IP, IW
153.4325	216	do	80	IP, IW
153.44	217	do	80	IP, IW
153.4475	218	do	80	IP, IW
153.455	219	do	80	IP, IW
153.4625	220	do	80	IP, IW
153.47	221	do		IW
153.4775	222	do		IW
153.485	223	do	80	IP, IW
153.4925	224	do	80	IP, IW
153.5	225	do	80	IP, IW
153.5075	226	do	80	IP, IW
153.515	227	do	80	IP, IW
153.5225	228	do	80	IP, IW
153.53	229	do		IW
153.5375	230	do		IW
153.545	231	do	80	IP, IW
153.5525	232	do	80	IP, IW
153.56	233	do	80	IP, IW
153.5675	234	do	80	IP, IW
153.575	235	do	80	IP, IW
153.5825	236	do	80	IP, IW
153.59	237	do		IW
153.5975	238	do		IW
153.605	239	do	80	IP, IW
153.6125	240	do	80	IP, IW
153.62	241	do	80	IP, IW
153.6275	242	do	80	IP, IW
153.635	243	do	80	IP, IW

Proposed §90.35(b)(5) VHF channel listing (continued){see petition page 18}

Freq. or Band	Channel Number	Class of Stations	Limitations	Coordinator
153.6425	244	do	80	IP, IW
153.65	245	do		IW
153.6575	246	do		IW
153.665	247	do	80	IP, IW
153.6725	248	do	80	IP, IW
153.68	249	do	80	IP, IW
153.6875	250	do	80	IP, IW
153.695	251	do		IW
153.7025	252	do		IW
153.71	253	do		IW
153.7175	254	do		IW
153.725	255	do		IW
153.7325	256	do		IW
154.45625	257	Fixed or mobile	39, 40, 41, 42	
154.46375	258	do	39, 40, 43	
154.47125	259	do	39, 40, 41, 44	
154.47875	260	do	39, 40, 41, 42	
154.4825	261	Base or mobile		
154.49	262	do		
154.4975	263	do		
154.505	264	do		
154.515		do		
154.5275		Mobile	10, 34	
154.54	265	Base or mobile		
154.5475	266	do		
154.555		do	33	
154.585		Mobile	8, 46	IP
154.61		Base or mobile	33	
154.625		do	36, 37, 48	
154.64		Base	36, 37, 48	
157.47	267	Base or mobile	12	LA
157.4775	268	do	12	LA
157.485	269	do	12	LA
157.4925	270	do	12	LA
157.5	271	do	12	LA
157.5075	272	do	12	LA
157.515	273	do	12	LA
157.5225	274	do	12	LA
157.53	275	Mobile	6	
157.5375	276	do	6	
157.545	277	do	6	
157.5525	278	do	6	
157.56	279	Base or mobile	6	
157.5675	280	do	6	
157.575	281	Mobile	6	
157.5825	282	do	6	
157.59	283	do	6	
157.5975	284	do	6	
157.605	285	do	6	
157.6125	286	do	6	
157.62	287	Base or mobile	6	
157.6275	288	do	6	
157.635	289	Mobile	6	

Proposed §90.35(b)(5) VHF channel listing (continued){see petition page 18}

Freq. or Band	Channel Number	Class of Stations	Limitations	Coordinator
157.6425	290	do	6	
157.65	291	do	6	
157.6575	292	do	6	
157.665	293	do	6	
157.6725	294	do	6	
157.68	295	do	6	
157.6875	296	do	6	
157.695	297	do	6	
157.7025	298	do	6	
157.71	299	do	6	
157.7175	300	do	6	
157.725		Base or mobile	79	
157.74		do	29, 36, 37, 38	
158.1225		do	33	IW
158.13	301	do		IW
158.1375	302	do		IW
158.145	303	do		IP, IW
158.1525	304	do		IP, IW
158.16	305	do		IP, IW
158.1675	306	do		IP, IW
158.175	307	do	81	IP, IW
158.1825	308	do	81	IP, IW
158.19	309	do		IW
158.1975	310	do		IW
158.205	311	do	81	IP, IW
158.2125	312	do	81	IP, IW
158.22	313	do	81	IP, IW
158.2275	314	do	81	IP, IW
158.235	315	do	81	IP, IW
158.2425	316	do	81	IP, IW
158.25	317	do		IW
158.2575	318	do		IW
158.265	319	do	81	IP, IW
158.2725	320	do	81	IP, IW
158.28	321	do		IP
158.2875	322	do		IP
158.295	323	do		IP
158.3025	324	do		IP
158.31	325	do	4, 7	IP
158.3175	326	do	4, 7	IP
158.325	327	do		IP
158.3325	328	do		IP
158.34	329	Mobile		
158.3475	330	do		
158.355	331	Base or mobile		IP
158.3625	332	do		IP
158.37	333	do	4, 7	IP
158.3775	334	do	4, 7	IP
158.385	335	do		
158.3925	336	do		
158.4	337	do	17	
158.4075	338	do	17	
158.415	339	do		IP

Proposed §90.35(b)(5) VHF channel listing (continued){see petition page 18}

Freq. or Band	Channel Number	Class of Stations	Limitations	Coordinator
158.4225	340	do		IP
158.43	341	do	4, 7	IP
158.4375	342	do	4, 7	IP
158.445		Mobile	8, 49	IP
158.46		Base or mobile	29, 36, 37, 38, 48	
159.48	343	do	8, 82	IP
159.4875	344	do	8	IP
159.495	345	do		
159.5025	346	do		
159.51	347	do		
159.5175	348	do		
159.525	349	do		
159.5325	350	do		
159.54	351	do		
159.5475	352	do		
159.555	353	do		
159.5625	354	do		
159.57	355	do		
159.5775	356	do		
159.585	357	do		
159.5925	358	do		
159.6	359	do		
159.6075	360	do		
159.615	361	do		
159.6225	362	do		
159.63	363	do		
159.6375	364	do		
159.645	365	do		
159.6525	366	do		
159.66	367	do		
159.6675	368	do		
159.675	369	do		
159.6825	370	do		
159.69	371	do		
159.6975	372	do		
159.705	373	do		
159.7125	374	do		
159.72	375	do		
159.7275	376	do		
159.735	377	do		
159.7425	378	do		
159.75	379	do		
159.7575	380	do		
159.765	381	do		
159.7725	382	do		
159.78	383	do		
159.7875	384	do		
159.795	385	do		
159.8025	386	do		
159.81	387	do		
159.8175	388	do		
159.825	389	do		
159.8325	390	do		

Proposed §90.35(b)(5) VHF channel listing (continued){see petition page 18}